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June 3, 2016

PLANNING BOARD
GRAFTON, MA

Ms. Maria Mast, Conservation Agent
Grafton Municipal Center
30 Providence Road
Grafton, MA 01519

Subject: Trinity Avenue Pump Station-25 R Trinity Avenue
Wetland Boundary and Project Review
Town of Grafton, Massachusetts

Dear Ms. Mast:

On behalf of the Grafton Water District, Tata & Howard, Inc. (T&H) has prepared responses to the Wetland Boundary and Project Review Response completed by JMM Wetland Consulting Services, LLC received via email dated June 2, 2016.

We have presented JMM's Comments from the May 16, 2016 correspondence in *italics*, and our responses in **bold**. We trust that this information addresses JMM's comments and serves as supplemental information to the Notice of Intent submitted in March 2016.

Regulations for the Administration of the Wetlands By-Law

1. *Construction Sequence Narrative. The most resource-sensitive proposed activity is the construction of a bridge crossing over the wetland resource. We recommend that a construction narrative be provided that details the sequence that will be employed for this crossing. This narrative should be shown on the construction drawings.*
The drawings have been revised to reference the proposed abutments and specification section 01100 which includes a construction narrative regarding the sequence of construction for the proposed abutments. See attached specification section 01100.

2. *Proposed Compensatory Flood Storage Area. Additional detail is necessary that explains how flood storage will be provided, in the area shown on the plans. Based on our field review it appears that some vegetation, including maturing trees, would have to be removed to achieve the desired floodplain compensation (see photos 5 and 6, attached). Moreover, to the extent that vegetative cover is removed, a planting/restoration plan should be provided for review. We should also note that seeding and any additional landscape planning for the overall project area should also be shown on the plans.*

The proposed compensatory flood storage area has been revised following the peer review completed by Graves Engineering and the site inspection performed

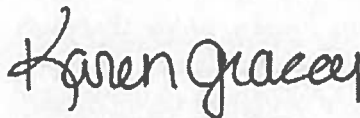
by JMM Wetland Consulting Services, LLC. Flood storage volumes were revised in vertical foot increments. The resulting volumes are reflected in the attached calculation sheet. The areas and depths correspond to the resulting areas labeled on the drawings. An alternative to the previously proposed compensatory storage area is to excavate along the edges of the proposed driveway/gravel turnaround area in an effort to limit the overall disturbance and clearing at the site.

3. *Dewatering. At a minimum it is likely that dewatering will be necessary to construct the bridge abutments. While the NOI provides the general specifications for employing dewatering at the site, we recommend that dewatering areas and techniques be shown on the project plans.*

The proposed sedimentation basin has been shown on the plans (See Drawing No. C-4) and referenced in General Note No. 26. Dewatering shall be conducted in accordance with specification section 02140 (attached) and the details shown on Drawing No. C-6 and C-7 (attached).

We will continue to work closely with the Town of Grafton on this important project. If any additional information or clarifications are required, please do not hesitate to contact our office to expedite the NOI review and approval.

Sincerely,
TATA & HOWARD, INC.



Karen L. Gracey, P.E.
Vice President

cc: Matthew Pearson, Grafton Water District
James M. McManus, MS, CPSS, Certified Professional Soil Scientist (No. 15226),
JMM Wetland Consulting Services